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A ::		CLARATION				PLICATI	ON B	EXE(	CUTOR	$\dashv$			ket Nu				
As a below named inventor, I hereby declare that:  My residence, nost office address, and citizenship are stated below next to my name.											(			2852001)			
My	ly residence, post office address, and citizenship are stated below next to my name.																
	believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural																
nar	arms are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled																
	ACOUSTIC TOUCH SENSOR WITH LOW-PROFILE DIFFRACTIVE GRATING TRANSDUCER ASSEMBLY																
the	ne specification of which is attached hereto unless the following box is checked:																
	is attached Herewith as United States Application Number or PCT International Application										plication						
		was filed on				<del></del>			on Number o	or P	CT Ir	ternatio			Ţ		
		Number				and was a	mended	on					(if app	licable).	<u></u>		
am I a	I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.  I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.																
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		claim foreign pr															
		r's certificate liste date before that o						eign appl	ication for p	alcı	nl or i	nventor	's certi	ficate havi	лg		
		reign Applicatio		hucaire	m on which p	inity is cir	minog.				Prio	rity Cla	imed				
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11	creby	claim the benefi	it under	Title 3.	5. United Stat	es Code, §1	19(c) ul	any Uni	ted States pr	rovi	siona	l applic	ations l	listed belov	₩.		
Н		(Application Nu	imber)		(F	iling Date)											
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		(Application Nu	imber)		(F	iling Date)											
th pr m	I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.																
		(Application N	umber)			(Filing Da	te)		(Status –	— p	alente	d, pend	ing, ah	andoned)			
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## DECLARATION FOR PATENT APPLICATION (continued)

Docket Number

ELG055 (2024773-7032852001)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

**Customer Number 23839** 

The following persons are also appointed agents of record in this application:

Michael J. Aronoff (Reg. No. 37,770) Marguerite E. Gerstner (Reg. No. 32,695)

Address all telephone of	alls to										
		Tyco Electronics Corporation									
•			ual Property								
			stitution Dri								
			ark, CA 9402								
I hereby declare that all stabelief are believed to be to like so made are punishabl such willful false statemen	ue, and further to by fine or imp	hat these sta orisonment,	ntements are n or both, under	nade with Section	the knowledge 1001 of Title 1	that 8 of t	willful false he United S	stateme	nts and the		
Full name of solc or fit	rst inventor (giv	еп name, fai	mily name)	_	Joel C. Ker	nt					
inventor's signature Citizenship	Joel	<u></u>	ent			ate	June	23	2003		
Residence	35937 Gas	kell Court	Fremont, C	A 94537							
Post Office Address	Same as a	bove									
Full name of second in	iventor (given n	amc, family	name)	-	Robert Ad	er			<u> </u>		
Inventor's signature					1:	ate					
Citizenship	USA										
Residence	1380 Rldg	e Road, No	orthbrook, II	L 60062-	4626						
Post Office Address	Same as a	bove									
Full name of third inve	entor (given nan	ne, family n	ame)	_	Charles D	udley	Copper				
Inventor's signature						Date					
Citizenship	USA										
Residence			larrisburg, i	PA 1711 <sup>.</sup>	<u>1</u>						
Post Office Address	Same as a	bove									

DECLARATION FOR PATENT APPLICATION BY EXECUTOR										1	Docket Number						
DECLARATION FOR PATENT APPLICATION BY EXECUTOR  As a below named inventor, I bereby declare that:											+	ELG055					
															852001)		
My	ly residence, post office address, and citizenship are stated below next to my name.																
	believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled												al				
	ACOUSTIC TOUCH SENSOR WITH LOW-PROFILE DIFFRACTIVE GRATING TRANSDUCER ASSEMBLY																
the	spec	ification of whic	h is attac	hed here		_										Т	
	$\boxtimes$	is attached		erewith		1	as United States Application Number or PCT International Application										
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		Number				and was a	mended	on	Ti.				(if a	appli	cable).		
am I a Re	I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.  I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.  I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.																
		oreign Application									Prio	rity Cla	aimed	1			
	,											Yes			No		
		(Number)			(Country)		(Day/	Month	(Year Filed)								
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1 h	ereby	claim the benefi	it under	Title 35,		es Code, §1				rov	isiona	l applic	cation	ns lis	ited below	/•	
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the pro ma	I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.																
		(Application N	umber)			(Filing Dat	:e)		(Status -		patented, pending, abandoned)						
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ı I				1	1			- 1								1	

Sheet 2

## **DECLARATION FOR PATENT APPLICATION (continued)**

Docket Number ELG055 (2024773-7032852001)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Custom r Number 23639

Michael J. Aronoff (Reg. No. 37,770)

The following persons are also appointed agents of record in this application:

Address all telephone calls to and all correspondence to the same at

Tyco Electronics Corporation

Intellectual Property Law Dept.

307 Constitution Drive, MS R20/2B

Menlo Park, CA 94025-1164

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name)

Joel C. Kent

Inventor's signature		Date
Citizenship	USA	
Residence	35937 Gaskell Court, Fremont, CA 94537	
Post Office Address	Same as above	
_		
Full name of second in	ventor (given name, family name)	Robert Adler
Inventor's signature Citizenship	Want run	Date 6/23/03
Residence	1380 Ridge Road, Northbrook, IL 60062-	4626
Post Office Address	Same as above	•
Full name of third inven	ntor (given name, family name)	Charles Dudley Copper
Inventor's signature		Date
Citizenship	USA	
Residence	630 Cardinal Drive, Harrisburg, PA 17111	
Post Office Address	Same as above	

	DECLARATION	V FOF	RA F	TENT AP	PLICAT	ION B	Y EX	ECUTOR				Dock	et Nu	mber			
A	DECLARATION FOR PATENT APPLICATION BY EXECUTOR As a below named inventor, I hereby declare that;											ELG055 (2024773-7032852001)					
М	Ay residence, post office address, and citizenship are stated below next to my name.																
	I believe I am the original, first and sole inventor (if only one name is listed below) or an original; first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled																
	ACOUSTIC TOUCH SENSOR WITH LOW-PROFILE DIFFRACTIVE GRATING TRANSDUCER ASSEMBLY																
th	the specification of which is attached hereto unless the following box is checked:																
_	is attached	Н	lerewi	th	as United	States.	Applica	ation Number	r or	PCT	PCT International Application						
_	was filed on Number				as United			tion Number	r or	PCI	PCT International Application (if applicable).						
11	nereby state that I have	review	ed and	understand th				entified spec	ifica	ation	inclu	-	_				
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	acknowledge the duty to	io disclo	se infa	mation which	ı is materia	al to pate	entabili	ty as defined	in '	Title	37, C	ide of	f Fed	eral ·			
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in	nereby claim forcign pr ventor's certificate list	riority o	enents wand h	uncer 11116 3: ave also ident	s, United Stiffied belov	vany for	ceign 21 Ceign 21	oplication for	ny : r pa	tent (	gn app. or inve	ntor'	on(s)	for paten dificate	t or		
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											Yes			No			
	(Number)			(Country)	(Day/Month/Year Filed)												
11	nereby claim the benefi	it under	Title 3	5, United Stat	es Code, §	119(ε) o	f any U	Inited States	pro	visio	nal app	licat	ions	listed belo	w.		
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	the subject matter of e																
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## DECLARATION FOR PATENT APPLICATION (c ntinu d)

Docket Number ELG055 (2024773-7032852001)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

**Customer Number 23639** 

The foll wing person	ons are also a	appointed agents of re	ecord in this app	lication:	•
Michael J. Aronoff ( Marguerite E. Gerst				·	
Address all telephone and all correspondence		Tyco Electronics C	Corporation		
at		Intellectual Proper	furt au Dant		
		Intellectual Proper 307 Constitution D			
		Menio Park, CA 94			
belief are believed to be to like so made are punishal such willful false stateme	rue, and further ble by fine or in nts may jeopard	that these statements are aprisonment, or both, und	made with the kno der Section 1001 of plication or any pat	hat all statements made on information whedge that willful false statements an Title 18 of the United States Code and ent issued thereon.  Kent	d the
Inventor's signature				Date	
Citizenship	USA				
Residence	35937 Gas	kell Court, Fremont,	CA 94537		
Post Office Address	Same as a	bove			
Full name of second i	nventor (given	name, family name)	Rober	t Adler	
Inventor's signature				Date	
Citizenship	USA			·	
Residence	تة ــــــــــــــــــــــــــــــــــــ	e Road, Northbrook,	IL 60062-4626		
Post Office Address	Same as a	ibove			
Full name of third inv	entor (given na	me, family name)	Charle	es Dudley Copper	
Inventor's signature	Chil	P. 9		Date 24 June 03	' 
Citizenship	USA SEC Condi	Drive Hemielson	DA 17411		
Residence		nal Drive, Harrisburg,	PA 1/111		
Post Office Address	Same as a	IDOV8			